Product | Applications

Allied Telesis

IP Triple Play

voice | video | data

IP NEXT-GENERATION NETWORKS

IP Triple Play Solutions

Allied Telesis' Carrier-Class Ethernet and IP solutions include iMAP integrated Multiservice Access Platforms and iMG intelligent Multiservice Gateways for IP Triple Play service delivery to residential and business subscribers.

Utilizing native copper and fiber Ethernet interfaces and world-class provisioning and management software, our solution enables forward-thinking carriers worldwide to deploy innovative revenue-generating services in xDSL, FTTx and Metro Ethernet networks.

Allied Telesis has developed two market-leading families of products supported by a network management system and technology partner framework, enabling service providers and operators to easily add new services to their network while eliminating truck rolls and man-in-a-van expenses.

Once in place, this solution enables the delivery of high quality VoIP, Video and Data to the customer, helping to insulate the provider from customer churn and commoditization of plain 'vanilla' broadband services.

IP Triple Play Services for the Service Provider Market

Network Service Provider

- Last Mile Access - Operators (IOCs, OLOs, CLECs PTTs/ ILECs)
- IP convergence for all services - Voice, Video and Data
- Deployments from any location - CO, CEV, Co-location, OSP, RT
- Migration from Copper to Fiber

Hospitality (xDSL Infrastructure)

- Hotels – Prevent re-cabling disturbance
- Enable delivery of revenue generating Broadband access to individual rooms
- Enable interactive services from the television; VoD and Gaming
- Enable VoIP telephony, reducing costs to hotels, and improving margins

Higher Education

- High-speed Internet access in Halls of Residence and Dormitories
- Remote Learning – Offer students access to world-class research
- Entertainment for students with TV and video services

Public Services

- Health – Provide Voice, Video and Data at the patients bedside
- Military Campus connectivity for communications, information and entertainment

Commercial

- Multi-dwelling and Tenant Units – Derive revenues from managed services
- Serviced offices

iMAP integrated Multiservice Access Platforms

Allied Telesis iMAP is the ideal access and aggregation platform for delivering IP Triple Play services regardless of available access technology (copper and fiber). The platform leverages Ethernet switching and IP technologies, bringing an unparalleled performance to service provider networks, all with 99.999% reliability.

The iMAP 9000 family is the number one platform for carriers networking needs with its redundant, feature-rich and fully manageable wirespeed architecture. Advanced IP Triple Play services such as high quality voice, tiered IP/Ethernet data services, broadcast quality IP video and traditional TDM connections are examples of what operators can offer with the iMAP 9000 family. The iMAP 9000 series is a video-optimized and environmentally hardened system targeted at central office and remote node deployments. To enable full resilience when deployed in a protected ring topology, the iMAP is equipped with Ethernet Protected Switch Ring (EPSR) technology enabling support for sub-50ms failover – essential in offering a seamless carrier-grade service delivery for maximum Quality of Experience for end-users.

iMAP 9700

17 Slot Fiber/DSL integrated Multiservice Access Platform

This 17 slot integrated Multiservice Access Platform uses carrier-class Ethernet, advanced xDSL and FTTx technologies to deliver state-of-the-art voice, video and data services to large copper and fiber networks, all from one chassis.

iMAP 9400

7 Slot Fiber/DSL integrated Multiservice Access Platform

Use the 7 slot iMAP 9400 to deploy IP Triple Play services from a central office or remote enclosure (outside). By supporting xDSL and fiber, the iMAP 9400 eliminates the need to choose between media or build parallel infrastructures, and it supports up to 168 copper or 70 FTTH subscribers (or combinations thereof). Support for POTS, 10/100 Ethernet and EPSR.

MiniMAP 9100

3 Slot Fiber/DSL integrated Multiservice Access Platform

The MiniMAP 9100 system leverages all features common to the iMAP 9x00 iMAP product family in a 1RU, modular platform. The MiniMAP 9100 system ensures common feature base, common subscriber modules and sparing is used for the entire range of iMAP products. The added benefit of subscriber interface modularity is a truly unique feature to 'pizza box' platforms in the market today. The platform is ideal for remote cabinet deployments in FTTx.

iMG intelligent Multiservice Gateways

Allied Telesis iMG Multiservice Gateway products are the next-generation of integrated IP Triple Play ready Customer Premise Equipment (CPE). Offering the functionality necessary to deliver high quality and differentiated Internet, telephony and video services simultaneously using one device, service providers can use the iMG series to terminate their broadband pipes with a device capable of delivering new revenue-generating services to their customers.

End-to-end Quality of Service is vital for the delivery of time-sensitive services, such as voice and video. This is provided within the iMG series through ISO Layer 2 and 3 prioritization techniques.

Available with support for ADSL/ ADSL2+, FTTx and FTTH/HFC deployments, the iMG series cater for all next-generation Broadband deployments. When combined with the industry-leading Zero Touch Configurator (ZTC) system or the Allied*View*™-NMS platform, provisioning new customers and managing subscription profiles is entirely streamlined.

Outdoor Remote Enclosures

AT-RMT-20, -30, -60
Remote Multiservice Terminal Enclosures

The RMT Remote Multiservice Terminal enclosures are sealed, climate controlled cabinets designed for Outside Plant applications. They protect equipment from water, dust and all other elements. A choice of three sizes lets service providers select an exact match for their needs. Support POTS, xDSL and fiber, as well as mixed deployments. An array of power supplies and mounting options are available. The RMT enclosures can be configured with advanced CAT5 cabling solutions to optimize xDSL services. In add-on or greenfield deployments, the RMT series meets every standard for enclosure performance.

iMG 600 Series intelligent Multiservice Gateways

The iMG600 is a family of IP Triple Play Gateways, with integrated bridging, routing, and firewall capability, and VoIP supported using SIP, MGCP, or H.323.

xDSL intelligent Multiservice Gateways

The iMG6x4 series are available with 4 Ethernet Ports, up to 2 POTS ports (either FXS or ISDN) and WAN port configurations: ADSL/ADSL2/ADSL2+ (Annex A and B) up to 24Mbps.

FTTx intelligent Multiservice Gateways

The iMG 600 series has solutions for the single-mode, multi-mode, dual and single fiber delivery of IP Triple Play services. The series offers 6 Ethernet ports and up to 4 FXS or 2 x ISDN Telephone ports.

iBG 900 Series intelligent Business Gateways

An xDSL gateway for business application with 8 Ethernet ports, internal bridge/router/firewall, up to 8 Phone ports (either FXS or ISDN) and VoIP support using SIP, MGCP or H. 323. The iBG 900 series is available with the following WAN port configurations: ADSL/ADSL2/ADSL2+ (Annex A and B) up to 24Mbps or G.SHDSL.

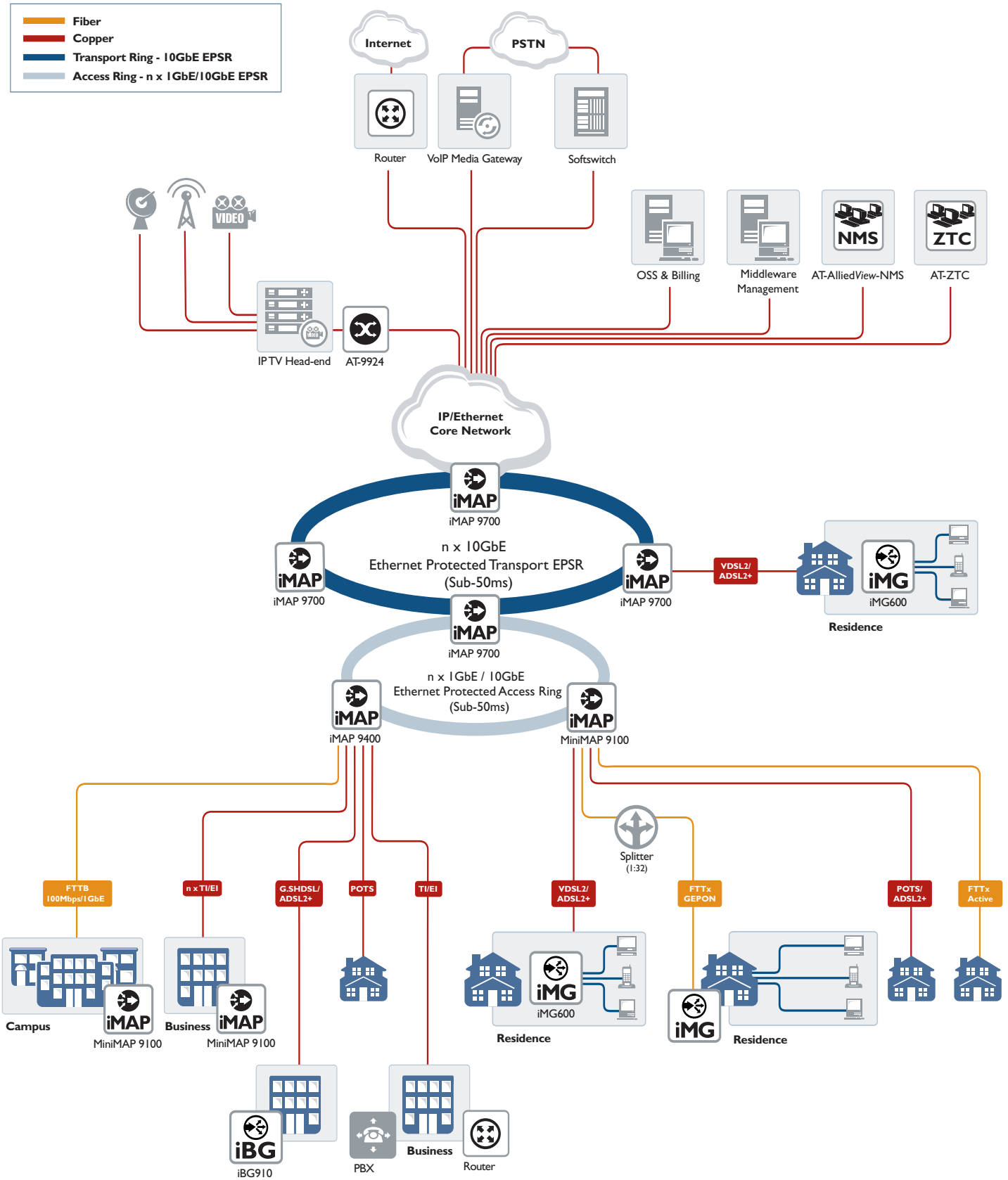
Network Management

Network Management Software (Allied*View*™-NMS) and Zero Touch Configurator (ZTC)

Allied Telesis Allied*View*™-NMS allows the service provider to provision, manage and monitor the access network services remotely whilst making the most efficient use of available bandwidth as well as identifying and resolving faults rapidly.

Zero Touch Configurator (ZTC) allows a service provider to provision and update an estate of iMGs remotely. A limitless number of subscription profiles can be created, managed and delivered to subscribers when new services are added or taken up. Furthermore, the ZTC is based on J2EE™ and XML technology, making it a flexible application that adapts itself to operators' network needs and existing OSS systems.

IP Triple Play Topology



THE IP TRIPLE PLAY ALLIANCE

IP Triple Play

Allied Telesis has an established Technology Partner Program which enables Operators and Service Providers of all sizes to offer complete and proven IP Triple Play solutions which can be deployed to their customer base.

By working together with industry leading vendors, Allied Telesis and its partners provide Carriers, Operators and Service Providers with the following benefits:

- Reduction of risk by deploying fully tested and independently verified solutions.
- Improvement of profitability. Solutions are implemented without the need for lengthy pilot phases, allowing operators to move straight to real deployment.
- Generating real revenues and delivering a faster return on investment.
- Complete flexibility in choosing best of breed solutions and technologies from all key players.

Working Together

Working with Allied Telesis and its technology partners, operators can optimize their business models to reduce capital and operational expenditure, reach profitability quicker, gain and retain new and loyal customers.

Allied Telesis has the expertise and knowledge to enhance your business offering and grow your profits with IP Triple Play.

Make Allied Telesis your IP Triple Play choice!

For further information on Allied Telesis' IP Triple Play Solution, please refer to the 'IP Triple Play Solutions Guide', 'Guide to iMAP', 'Guide to iMG' and the 'Executive's Guide to Carrier Ethernet'.

www.alliedtelesis.com/nsp

Minerva Networks
www.minervanetworks.com

kasenna
www.kasenna.com

interactive digital solutions plc
www.ids-plc.com

TANDBERG Television
www.tandbergtv.com

MetaSwitch INTEROPERABILITY PARTNER
www.metaswitch.com

GENERAL BANDWIDTH
www.genband.com

KREATEL
www.kreatel.com

Sonus powered
www.sonusnet.com

ETV INTERACTIVE
www.e-tv-interactive.com

EMERSON Network Power
www.emerson-ups.co.uk

amino
www.aminocom.com

TRIPLEPLAY
www.tripleplay-services.com

THOMSON images & beyond
www.cirpack.com
www.thomson.net

COMVERSE
www.netcentrex.com
www.comverse.com

IP Triple Play Solutions over Broadband xDSL Networks

Multiply your revenue streams over existing infrastructure

- Leverage voice-grade copper cabling
- Realize the full commercial potential of interactive TV such as Video-on-Demand services

Reduce customer churn by delivering additional value added services

- Deliver effectively against your customers needs
- Enhance your customers experience with feature rich functionality
- Remotely monitor Quality of Service from the customer's perspective to maximize customer satisfaction

Improve uptake of your current offerings through new service bundling

- Provide the 'halo effect' for your existing under-subscribed services
- New high quality service bundles improve the customer's perception of your existing services, driving uptake

Consolidate services over one access network

- Voice, video and data delivered over a single infrastructure
- Reduce management and operational costs

IP Triple Play Solutions over FTTx Networks

Generate revenues with premium services

- High quality video services (HDTV, video telephony, surveillance)
- Peer-to-Peer applications and services
- Transparent LAN Services for Business enabling seamless connectivity across distributed enterprises

Cable TV and FTTH collaborative partnership

- Cost-effective and Fast-forward entry to providing IP Triple Play over FTTH
- Enable low-cost initial video market entry and investment for FTTH ISPs
- Cable operators and MSOs can add new customers beyond the reach of HFC infrastructure

Migration From Copper to Fiber

- Pervasive IP Triple Play services
- Extend service footprint by shortening copper loops
- Fiber deployed as close as possible to subscriber

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Connecting The IP World

Allied Telesis